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## SPEED ZONE STUDY SUMMARY

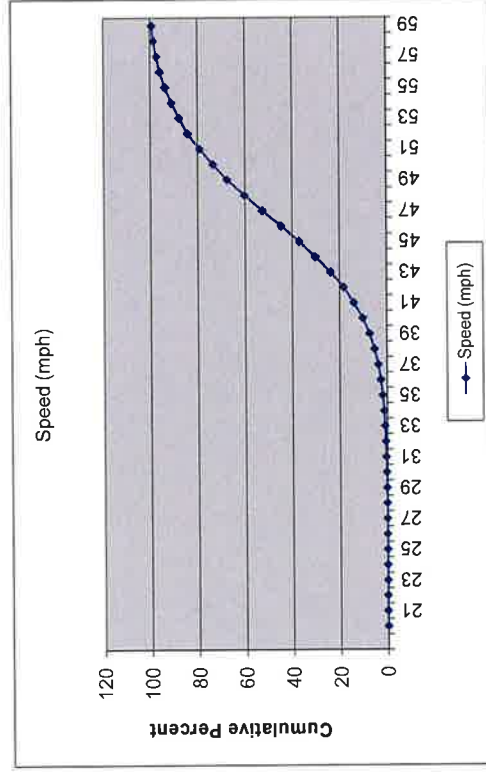
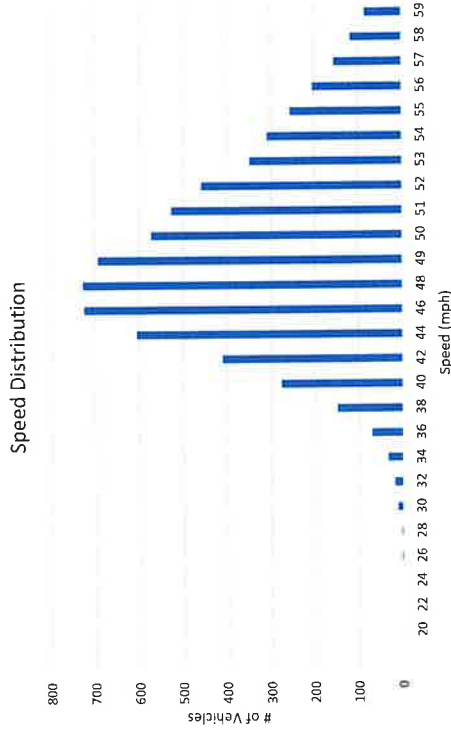
- I. Road: McCourtney Road  
From: Indian Springs Road  
To: 1.3 Miles South of Indian Springs Road
- II. **Reason for Study:** Five-Year Update
- III. **Roadway Characteristics:**
- a. Width - 21-22-foot wide
  - b. Surface - Asphalt concrete
  - c. Striping - Double yellow centerline with edge line
  - d. ADT - 2,327
  - e. Length - 1.3 miles
- IV. **Roadside Characteristics:** Rural ranch properties.
- V. **Existing Speed Zone:** 40 miles per hour
- VI. **Prevailing Speed:**
- a. 10 miles per hour pace - 42-54 miles per hour
  - b. Average speed - 47 miles per hour
  - c. 85th percentile - 52 miles per hour
- VII. **Accident History:** There were a total of seven reported accidents on this segment of road during the last five years.
- VIII. **Other Factors of Significance:** None
- IX. **Is a Speed Zone Warranted:** Yes
- X. **Recommendations:** The California Manual of Uniform Traffic Control Devices indicates that when a speed limit is to be posted, it should be established at the nearest 5 mph increment of the 85<sup>th</sup> percentile speed.

Change the existing 40 mile per hour speed limit to 45 miles per hour.

Patrick Perkins  
Principal Civil Engineer

Road: McCourtney Road Segment McCourtney-Indian Springs to 1.3 miles south

Speed	# of cars	Cumulative	Avg speed calc	Pace calc
20	1	0	20	
21	1	0	21	
22	0	0		
23	3	0	69	
24	0	0		
25	3	0	75	
26	3	0	78	
27	2	0	54	
28	3	0	84	
29	2	0	58	18
30	12	0	360	29
31	13	0	403	41
32	19	1	608	60
33	28	1	924	85
34	34	1	1156	119
35	58	2	2030	174
36	70	3	2520	241
37	102	4	3774	341
38	149	5	5662	487
39	191	7	7449	676
40	277	10	11080	941
41	357	14	14637	1285
42	410	18	17220	1676
43	538	24	23134	2186
44	606	30	26664	2758
45	655	37	29475	3355
46	725	45	33350	4010
47	742	53	34874	4650
48	728	60	34944	5229
49	693	68	33957	5731
50	572	74	28600	6026
51	525	79	26775	6194
52	457	84	23764	6241
53	347	88	18391	6050
54	308	91	16632	5752
55	255	94	14025	5352
56	203	96	11368	4830
57	154	97	8778	4242
58	116	98	6728	3630
59	83	99	4897	3020
60	60	100	3600	2508
Total	9505		448238	



	Previous	Current
Average Speed	39	47 Rounded
85th Percentile	42	52.25
Pace	33-42	42-54
		# of cars 457

Posted Speed: 40  
 AC Width: 21-22  
 Weather: Sunny  
 Location of Survey: Across from 17131 McCourtney Rd  
 Date: 9/16/20 to 9/21/20  
 Observer: Pat Day